SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50037/003003
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/587,252
INFORMATION DISCLOSURE		Applicant	Miller et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date	February 27, 2007
		Group	1651
(37 C.F.R. § 1.98(b))		IDS Filed	July 16, 2009

U.S. PATENT DOCUMENTS				
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	
	5,589,376	Dec. 31, 1996	Anderson et al.	
	5,633,426	May 27, 1997	Namikawa et al.	
	5,654,183	Aug. 5, 1997	Anderson et al.	
	5,672,499	Sep. 30, 1997	Anderson et al.	
	5,693,482	Dec. 2, 1997	Anderson et al.	
•	5,733,727	Mar. 31, 1998	Field	
	5,824,489	Oct. 20, 1998	Anderson et al.	
	5,849,553	Dec. 15, 1998	Anderson et al.	
	5,928,947	Jul. 27, 1999	Anderson et al.	
	5,942,225	Aug. 24, 1999	Bruder et al.	
	6,001,654	Dec. 14, 1999	Anderson et al.	
	6,497,872	Dec. 24, 2002	Weiss et al.	
	6,528,245	Mar. 4, 2003	Sanchez-Ramos et al.	
	6,787,355	Sep. 7, 2004	Miller et al.	
	6,969,608	Nov. 29, 2005	Miller et al.	
	7,544,509	Jun. 9, 2009	Toma et al.	
	2002/0016002	Feb. 7, 2002	Toma et al.	
	2002/0123143	Sep. 5, 2002	Toma et al.	
	2003/0003572	Jan. 2, 2003	Anderson et al.	
	2004/0110288	Jun. 10, 2004	Morrison et al.	
	2004/0115808	Jun. 17, 2004	Pachnis	

EXAMINER	DATE CONSIDERED
	

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U.S. PATENT DOCUMENTS			
2004/0033597	Feb. 19, 2004	Toma et al.	
2006/0088505	Apr. 27, 2006	Hoffmann et al.	
2006/0263876	Nov. 23, 2006	Miller et al.	
2008/0038770	Feb. 14, 2008	Hansford et al.	
2009/0142834	Jun. 4, 2009	Toma et al.	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
Examiner's Document Publication Country or Initials Number Date Patent Office				Translation (Yes/No)
	WO 01/53461	Jul. 26, 2001	WIPO	
	WO 03/010243	Feb. 6, 2003	WIPO	
	WO 08/148218	Dec. 11, 2008	WIPO	

	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
	Alonso et al., "Stem Cells of the Skin Epithelium," Proc Natl Acad Sci USA. 100:11830-11835 (2003).
	Anderson, "Molecular Control of Cell Fate in the Neural Crest: The Sympathoadrenal Lineage," <i>Annu Rev Neurosci.</i> 16:129-158 (1993).
	Chepko et al., "Ultrastructure of the Putative Stem Cell Niche in Rat Mammary Epithelium," <i>Tissue Cell.</i> 35:83-93 (2003).
	Dupin et al., "The Neural Crest Stem Cells: Control of Neural Crest Cell Fate and Plasticity by Endothelin-3," An Acad Bras Cienc. 73:533-545 (2001).
 	Gambardella et al., "The Multifaceted Adult Epidermal Stem Cell," Curr Opin Cell Biol. 15:771-777 (2003).

EXAMINER	DATE CONSIDERED

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(37 C.F.R. § 1.98(b))		IDS Filed	July 16, 2009

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
Huard et al., "Adult Olfactory Epithelium Contains Multipotent Progenitors That Give Rise to Neurons and Nonneural Cells," <i>J Comp Neurol.</i> 400:469-486 (1998).
Jahoda et al., "Hair Follicle Dermal Cells Differentiate into Adipogenic and Osteogenic Lineages," <i>Exp Dermatol.</i> 12:849-859 (2003).
Kruger et al., "Neural Crest Stem Cells Persist in the Adult Gut but Undergo Changes in Self-renewal, Neuronal Subtype Potential, and Factor Responsiveness," <i>Neuron</i> 35:657-669 (2002).
Kumamoto et al., "Hair Follicles Serve as Local Reservoirs of Skin Mast Cell Precursors," <i>Blood</i> 102:1654-1660 (2003).
Lako et al., "Hair Follicle Dermal Cells Repopulate the Mouse Haematopoietic System," <i>J Cell Sci.</i> 115:3967-3974 (2002).
Lavker et al., "Hair Follicle Stem Cells," J Investig Dermatol Symp Proc. 8:28-38 (2003).
Li et al., "Nestin Expression in Hair Follicle Sheath Progenitor Cells," <i>Proc Natl Acad Sci U S A</i> . 100:9958-9961 (2003).
McElwee et al., "Cultured Peribulbar Dermal Sheath Cells Can Induce Hair Follicle Development and Contribute to the Dermal Sheath and Dermal Papilla," <i>J Invest Dermatol.</i> 121:1267-1275 (2003).
Morrison et al., "Prospective Identification, Isolation by Flow Cytometry, and in Vivo Self-renewal of Multipotent Mammalian Neural Crest Stem Cells," <i>Cell</i> 96:737-749 (1999).
Osada et al., "Characterization of Vibrissa Germinative Cells: Transition of Cell Types," <i>Exp Dermatol.</i> 10:430-437 (2001).
Oshima et al., "Morphogenesis and Renewal of Hair Follicles from Adult Multipotent Stem Cells," Cell 104:233-245 (2001).
Oyelese et al., "Neural Trans-differentiation of Plastic Adherent and Non-adherent Bone Marrow Stem Cells," 31st Annual Meeting of the Society for Neuroscience, California (Abstract/Poster) (November 10-15, 2001).
Peters et al., "Kit is Expressed by Epithelial Cells in Vivo," J Invest Dermatol. 121:976-984 (2003).
Peters et al., "Migration of Melanoblasts into the Developing Murine Hair Follicle Is Accompanied by Transient c-Kit Expression," <i>J Histochem Cytochem</i> . 50:751-766 (2002).
Rao, "Multipotent and Restricted Precursors in the Central Nervous System," <i>Anat Rec. (New Anat.)</i> 257:137-148 (1999).
Stemple et al., "Isolation of a Stem Cell for Neurons and Glia from the Mammalian Neural Crest," Cell 71:973-985 (1992).

EXAMINER	DATE CONSIDERED
EYAMINED: Initial citation considered. Draw line through citation	if not in conformance and not considered. Include convertible

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
Toma et al., "Isolation of Multipotent Adult Stem Cells from the Dermis of Mammalian Skin," <i>Nat Cell Biol.</i> 3:778-784 (2001).
Trempus et al., "Enrichment for Living Murine Keratinocytes from the Hair Follicle Bulge with the Cell Surface Marker CD34," <i>J Invest Dermatol.</i> 120:501-511 (2003).
International Preliminary Report on Patentability mailed August 3, 2006 (PCT/CA2005/000108).
International Search Report mailed May 24, 2005 (PCT/CA2005/000108).